



RECEIVED

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TECH CENTER 1600/2900

<110> Freyssinet, Georges  
Derose, Richard  
Hoffman, Jules

<120> GENE CODING FOR ANDROCTONINE, VECTOR  
CONTAINING SAME AND TRANSFORMED DISEASE-RESISTANT PLANTS  
OBTAINED

<130> A33002-PCT-USA 072667.0124

<140> 09/486,094

<141> 2000-07-17

<150> PCT/FR98/01814

<151> 1998-08-18

<150> FRANCE 97/10632

<151> 1997-08-20

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 110

<212> DNA

<213> Androctonus australis

<220>

<221> CDS

<222> (1)...(75)

<223> Androctonine

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Arg Ser Val Cys Arg Gln Ile Lys Ile Cys Arg Arg Arg Gly Gly Cys  
1 5 10 15

tac tac aag tgc act aac agg cca tac tgagctcggc gaggcgaacg 95  
Tyr Tyr Lys Cys Thr Asn Arg Pro Tyr  
20 25

tgtcgacgga tccgg 110

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<211> 106

<212> DNA

<213> Tobacco

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<222> (12)...(101)

<223> Tobacco PR-1a signal peptide

<400> 2

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SUB  
C1

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1              5              10

ctt gtg tct act ctt ctt ctt ttc ctt gtg atc tct cac tct tgc cgt 98
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gcc ggcga 106
Ala
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<213> Artificial Sequence

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1              5              10

ctt gtg tct act ctt ctt ctt ttc ctt gtg atc tct cac tct tgc cgt 98
Leu Val Ser Thr Leu Leu Leu Phe Leu Val Ile Ser His Ser Cys Arg
15              20              25

gcc agg tcc gtg tgc agg cag atc aag atc tgc agg agg agg ggt ggt 146
Ala Arg Ser Val Cys Arg Gln Ile Lys Ile Cys Arg Arg Arg Gly Gly
30              35              40              45

tgc tac tac aag tgc act aac agg cca tac tgagctcggc gaggcgaacg 196
Cys Tyr Tyr Lys Cys Thr Asn Arg Pro Tyr
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<211> 72
<212> DNA

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<213> Artificial Sequence

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<223> Synthetic oligonucleotide 2

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<211> 44

<212> DNA

<213> Artificial Sequence

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<223> Synthetic oligonucleotide 3

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<223> Synthetic oligonucleotide 4

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<211> 66

<212> DNA

<213> Artificial Sequence

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<223> Synthetic oligonucleotide 6

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<220>  
<223> Oligonucleotide primer

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<221> VARIANT  
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1 5 10 15  
Xaa Cys Xaa